

ABSTRACT

Deformed wire for a submarine optical fiber cable used for the pressure-proof layer of the submarine optical cable and having a high strength, that is, having a tensile strength of 1800 MPa or more, is provided, which deformed wire for reinforcing submarine optical fiber cable is characterized by including, by wt%, C: more than 0.65% to 1.1%, $C_{eq} = C + 1/4Si + 1/5Mn + 4/13Cr$ satisfying $0.80\% \leq C_{eq} \leq 1.80\%$, having a number of shear bands cutting across an L-section center axial line of 20/mm per unit length of the center axis, having an angle formed by the center axis and shear bands in the range of 10 to 90°, having a tensile strength of 1800 MPa or more, having a sectional area forming an approximately fan shape, a plurality of the approximately fan shapes being combined to form a circular hollow cross-section for accommodating optical fibers, having at its surface a pebbled surface comprised of relief shapes of depths of 0.2 to 5 μm , and having a weld at least at one location in the longitudinal direction.